Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

Quant Time: Dec 18 02:44:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	15550	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	72543	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	53123	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	134547	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	178337	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	172185	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	4035	2.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	3016	3.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	3589	3.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	3957	3.37	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	1873	3.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	2162	3.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	3867	3.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	6011	4.20	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	16444	3.83	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	18649	3.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	1874	2.43	ng/ul	0.00
58) Fluorene-d10	15.71	176	14971	3.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	1105	1.39	ng/ul	0.00
71) Anthracene-d10	17.57	188	24116	3.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	28621	3.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	32152	3.74	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.97	128	776713	205.03	ng/ul	97
30) 4-Chloroaniline	10.97	127	108691	74.37	ng/ul#	6
34) 2-Methylnaphthalene	12.56	142	292129	100.95	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	139433	50.12	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	99148	24.74	ng/ul	96
45) Dimethylphthalate	14.17	163	7378	1.68	ng/ul	99
48) Acenaphthylene	14.45	152	17197	3.24	ng/ul#	90
50) Acenaphthene	14.80	153	436619	122.18	ng/ul	98
53) 4-Nitrophenol	14.80	109	844	1.14	ng/ul#	1
54) Dibenzofuran	15.13	168	437769	82.35	ng/ul	100
59) Fluorene	15.78	166	439550	102.97	ng/ul	96
61) 4-Nitroaniline	15.77	138	5297	5.56	ng/ul#	13
70) Phenanthrene	17.61	178	166486	22.62	ng/ul	99
72) Anthracene	17.61	178	166486	22.30	ng/ul	99
75) Carbazole	17.87	167	78530	12.52	ng/ul	98
77) Fluoranthene	19.53	202	1065096	123.83	ng/ul	100
80) Pyrene	19.88	202	717784	66.50	ng/ul	99
83) Benzo(a)anthracene	21.73	228	194164	18.66	ng/ul	98
85) Chrysene	21.79	228	156327	15.95	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	83454	8.05	ng/ul	98
89) Benzo(k)fluoranthene	23.98	252	83454	8.39	ng/ul	99
91) Benzo(a)pyrene	24.86	252	46240	4.71	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.74	276	13398	1.15	ng/ul#	91

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Quant Time: Dec 18 02:44:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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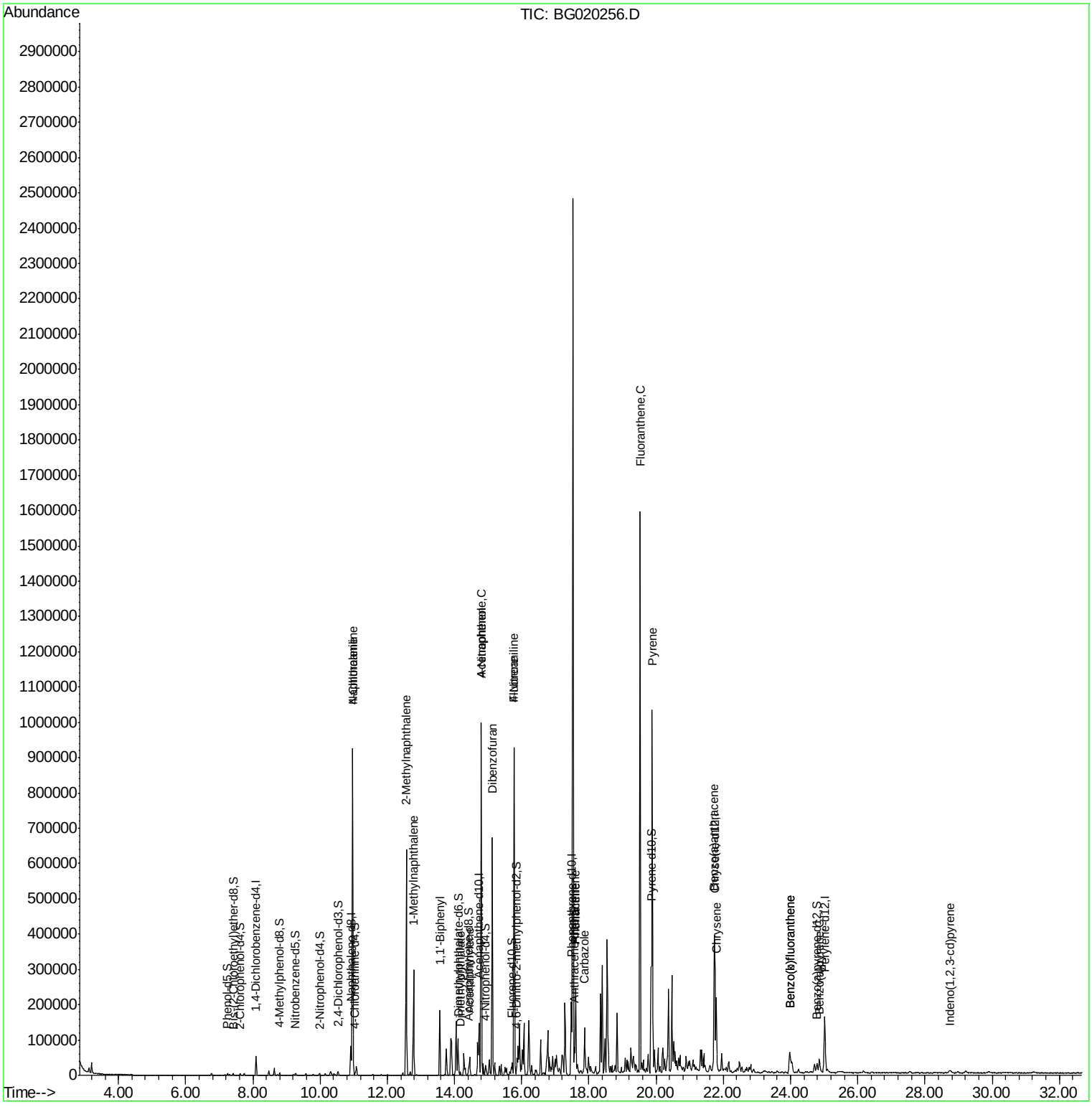
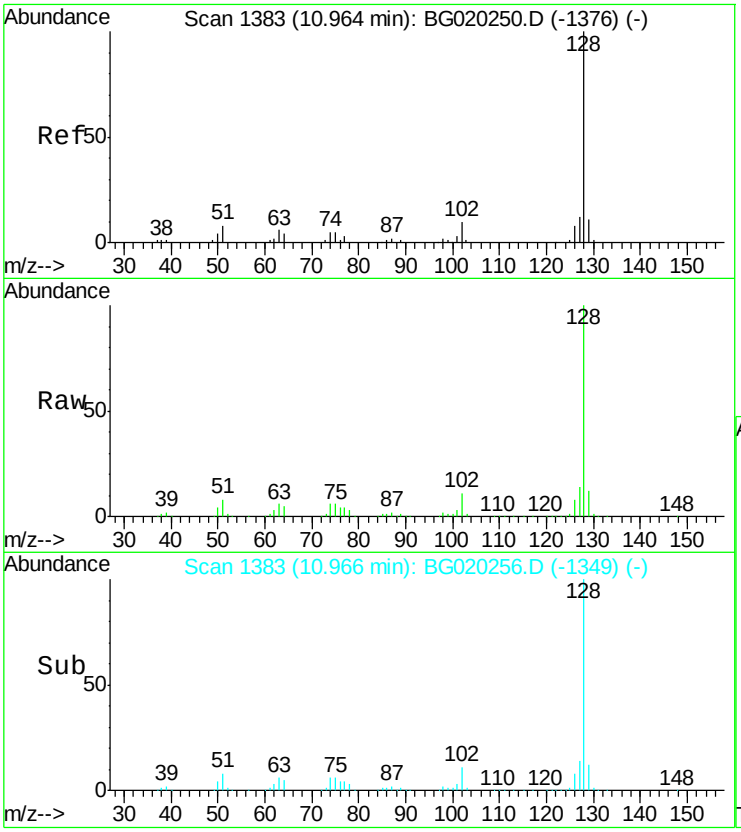
Quant Time: Dec 18 02:44:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration



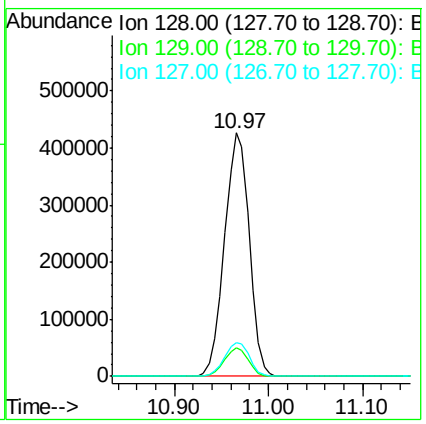


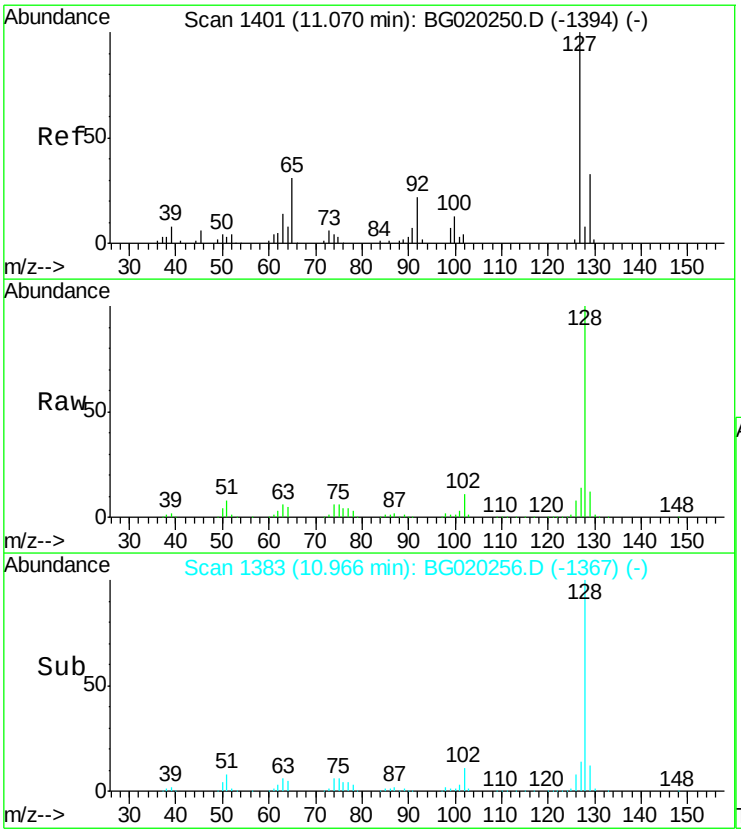
#28
Naphthalene
Concen: 205.03 ng/ul
RT: 10.97 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:128 Resp: 776713

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	12.8
127	13.9	10.1	15.1

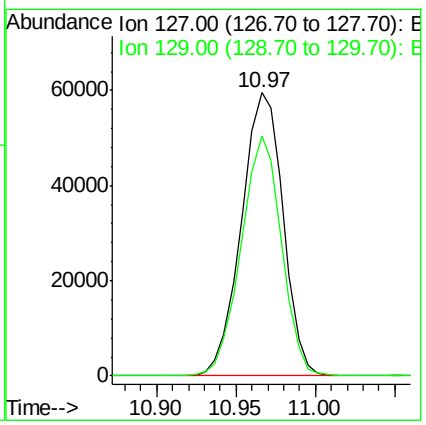


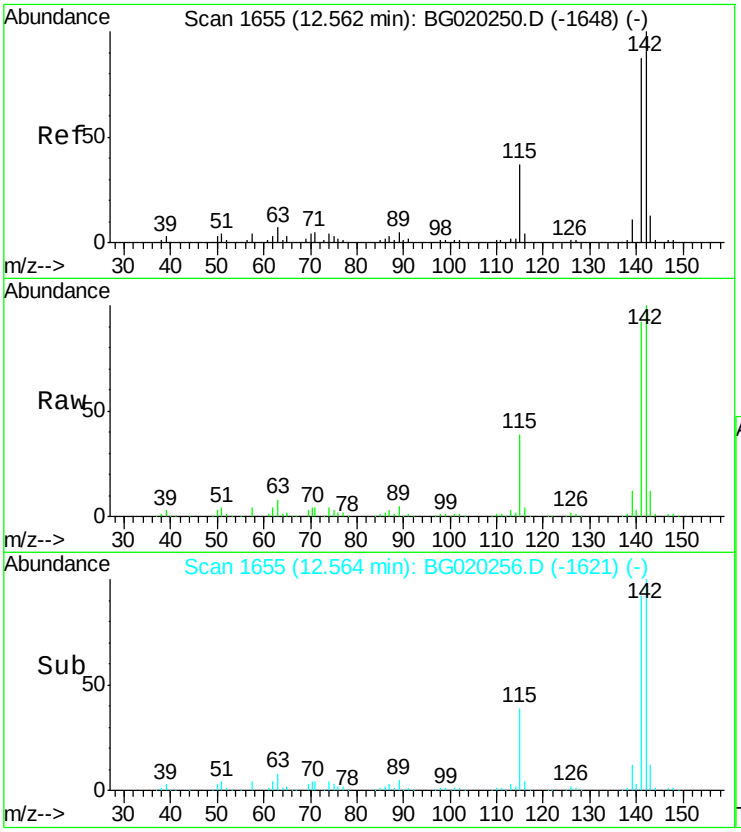


#30
4-Chloroaniline
Concen: 74.37 ng/ul
RT: 10.97 min Scan# 1383
Delta R.T. -0.10 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:127 Resp: 108691

Ion	Ratio	Lower	Upper
127	100		
129	84.7	25.7	38.5#



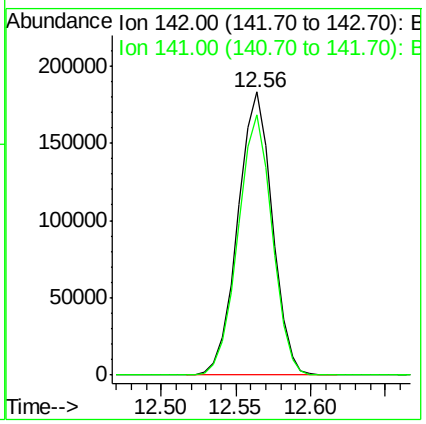


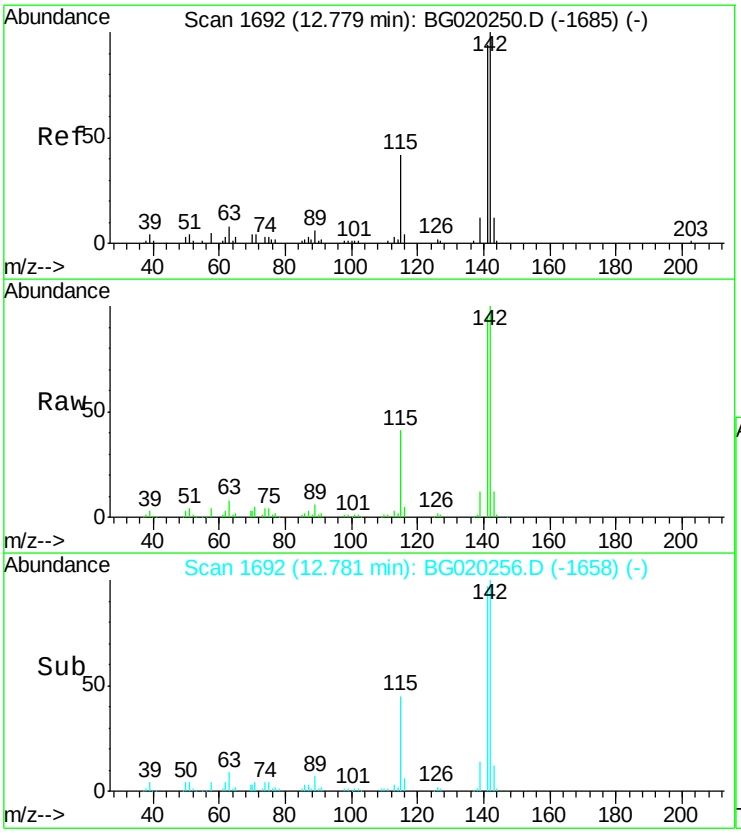
#34
2-Methylnaphthalene
Concen: 100.95 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:142 Resp: 292129

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.9	112.3

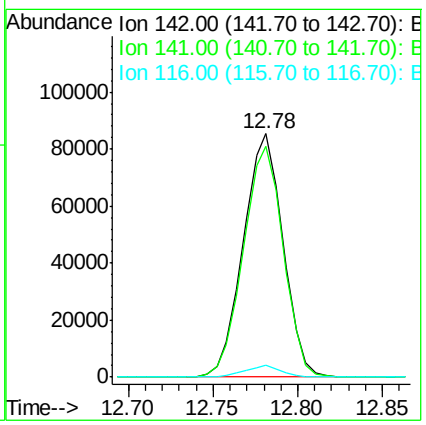


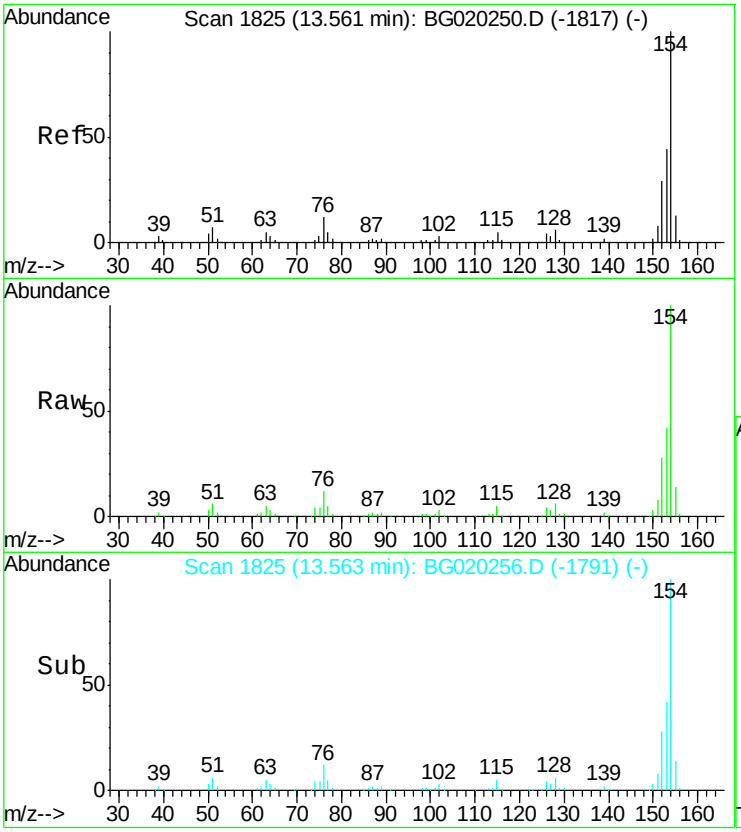


#35
1-Methylnaphthalene
Concen: 50.12 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:142 Resp: 139433

Ion	Ratio	Lower	Upper
142	100		
141	94.6	73.0	109.6
116	4.7	3.0	4.6#



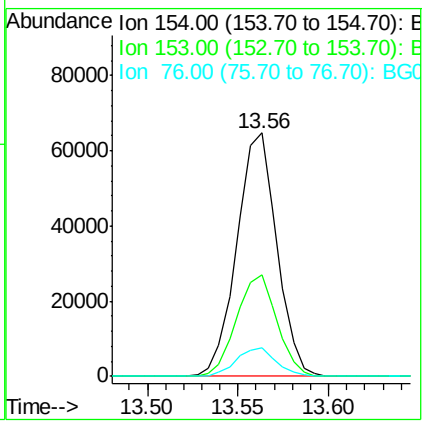


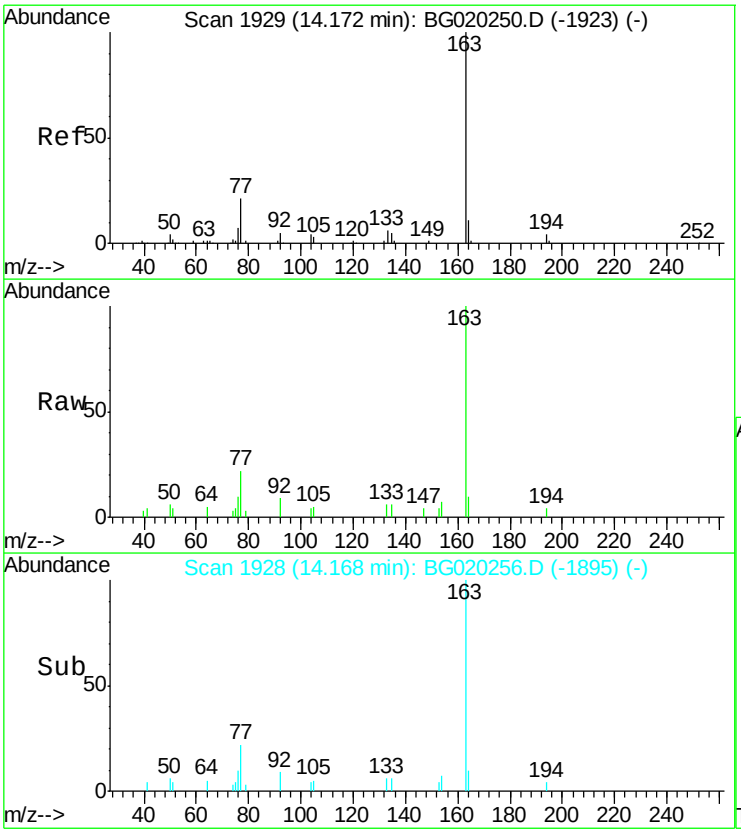
#41
1,1'-Biphenyl
Concen: 24.74 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:154 Resp: 99148

Ion	Ratio	Lower	Upper
154	100		
153	41.5	35.5	53.3
76	11.6	10.4	15.6

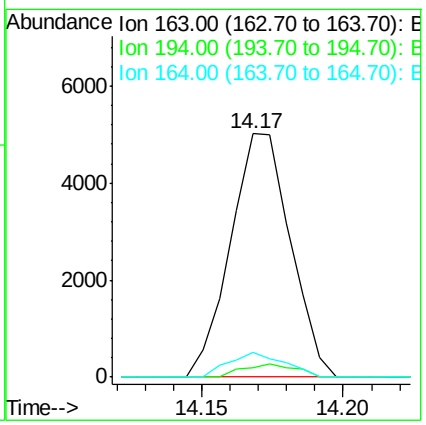


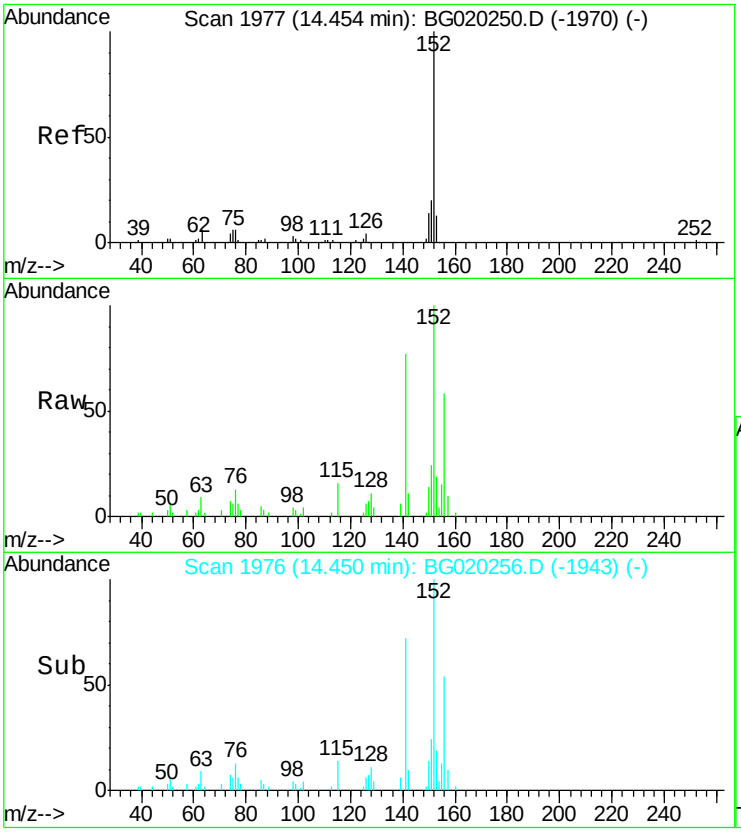


#45
Dimethylphthalate
Concen: 1.68 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:163 Resp: 7378

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	9.9	7.7	11.5



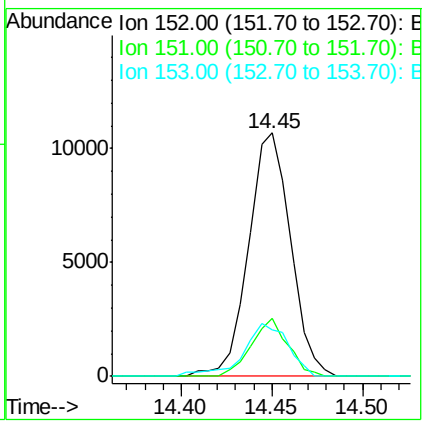


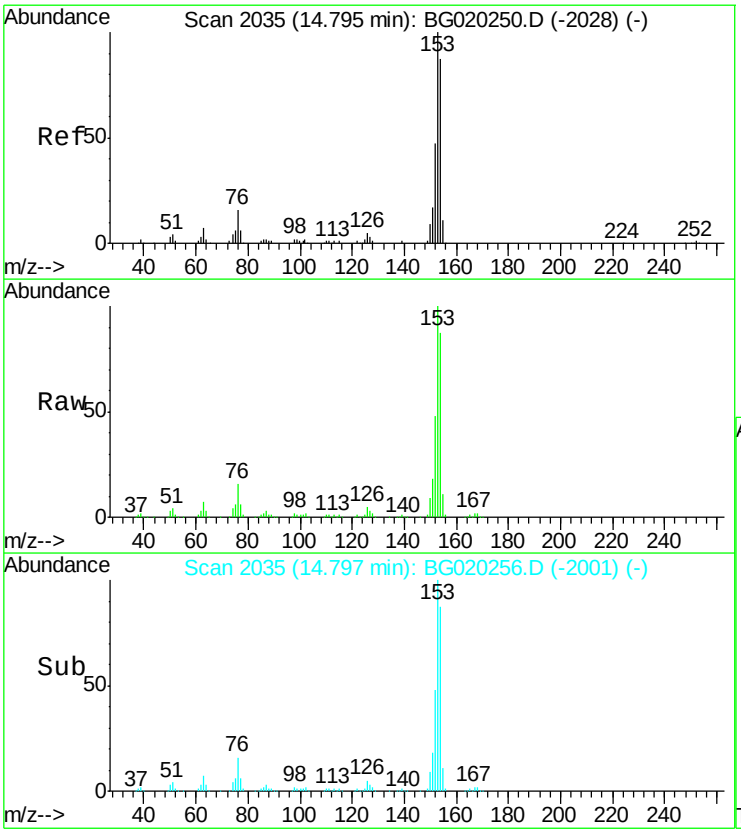
#48
Acenaphthylene
Concen: 3.24 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:152 Resp: 17197

Ion	Ratio	Lower	Upper
152	100		
151	23.6	16.4	24.6
153	19.3	10.4	15.6#

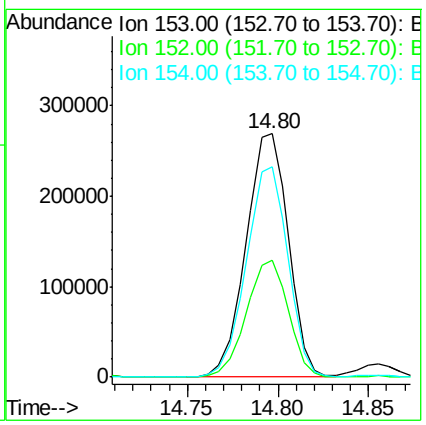


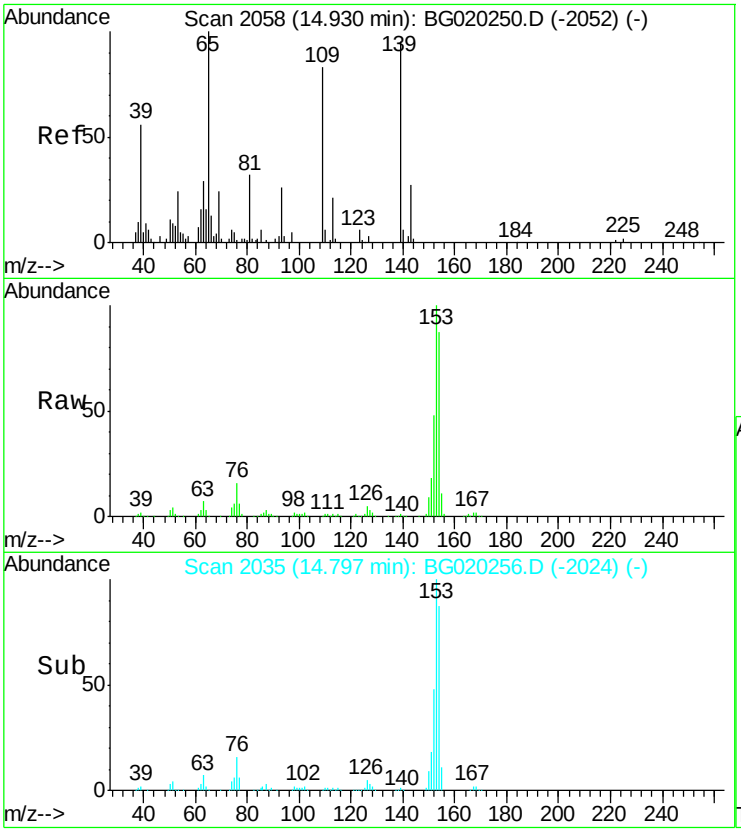


#50
Acenaphthene
Concen: 122.18 ng/ul
RT: 14.80 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:153 Resp: 436619

Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.6	56.4
154	86.5	67.9	101.9



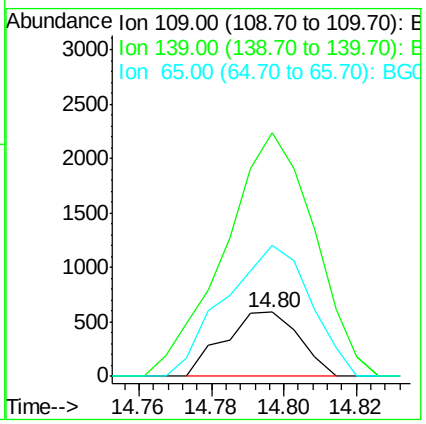


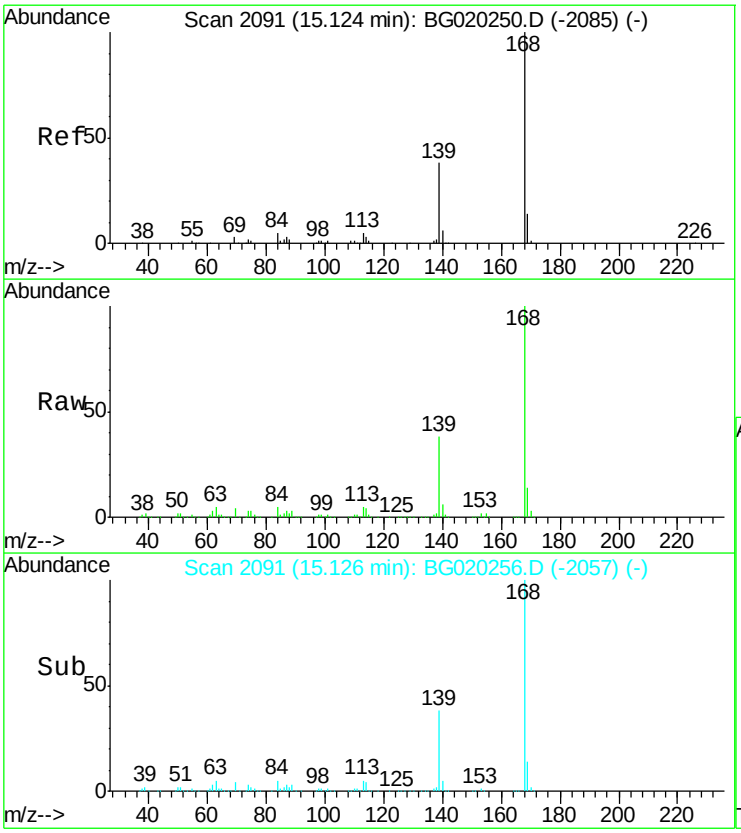
#53
4-Nitrophenol
Concen: 1.14 ng/ul
RT: 14.80 min Scan# 2035
Delta R.T. -0.13 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:109 Resp: 844

Ion	Ratio	Lower	Upper
109	100		
139	378.8	80.5	120.7#
65	203.9	93.4	140.2#

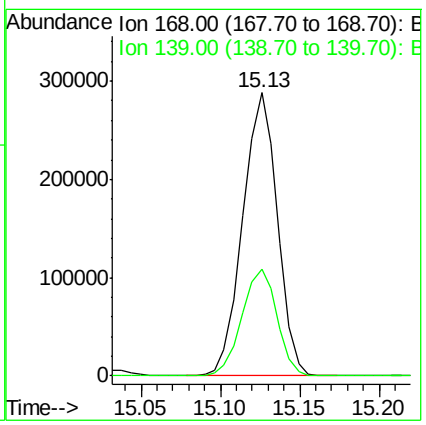


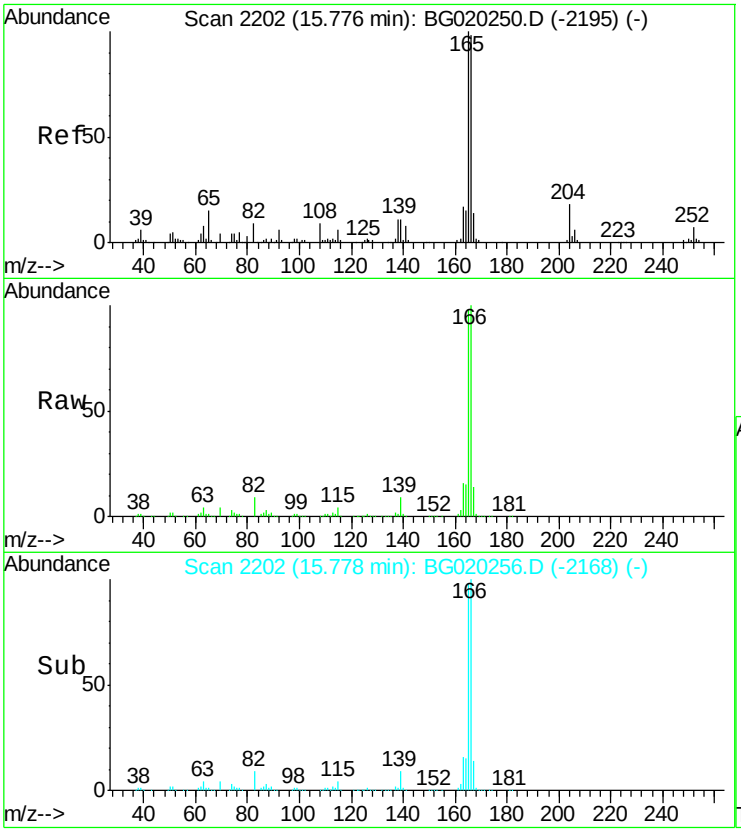


#54
Dibenzofuran
Concen: 82.35 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:168 Resp: 437769

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.5	45.7



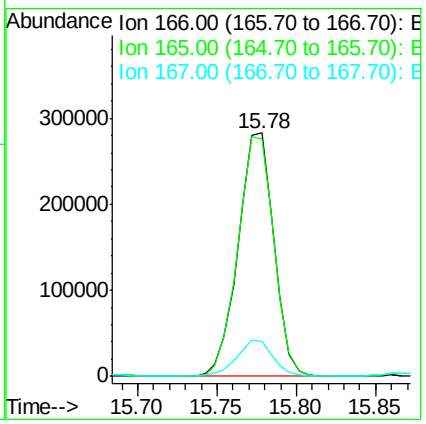


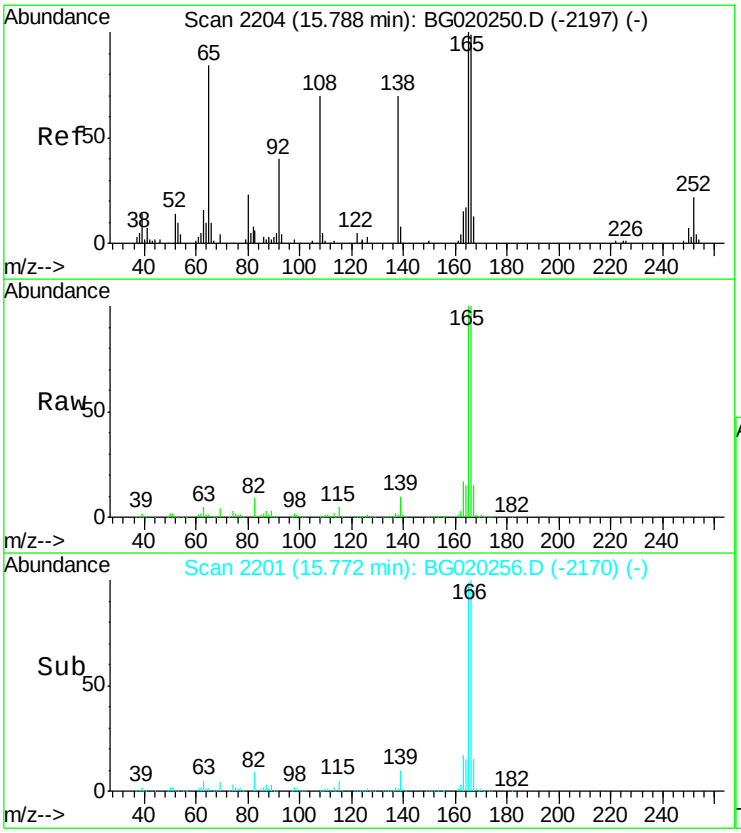
#59
Fluorene
Concen: 102.97 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:166 Resp: 439550

Ion	Ratio	Lower	Upper
166	100		
165	97.6	81.4	122.0
167	14.2	11.2	16.8

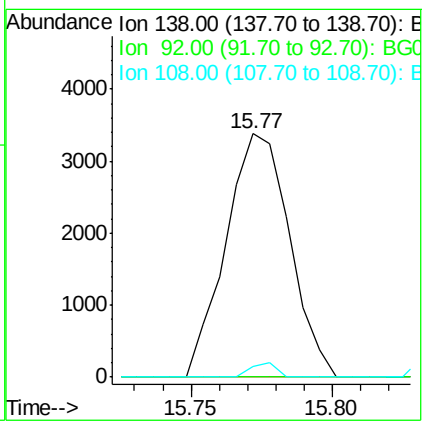


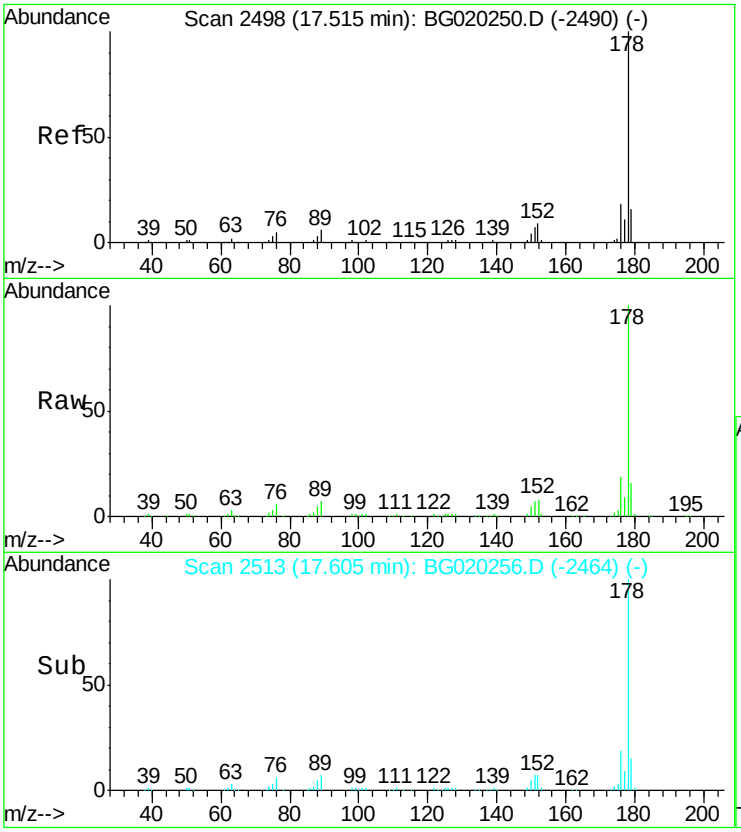


#61
4-Nitroaniline
Concen: 5.56 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:138 Resp: 5297

Ion	Ratio	Lower	Upper
138	100		
92	0.0	45.2	67.8#
108	4.6	75.4	113.0#



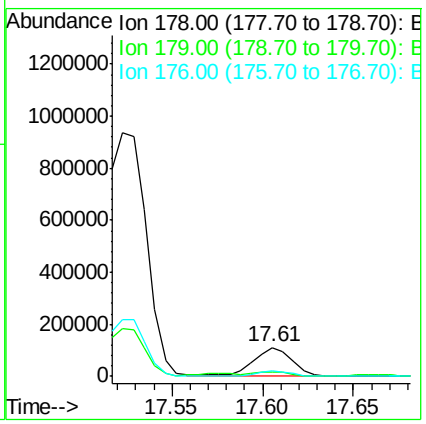


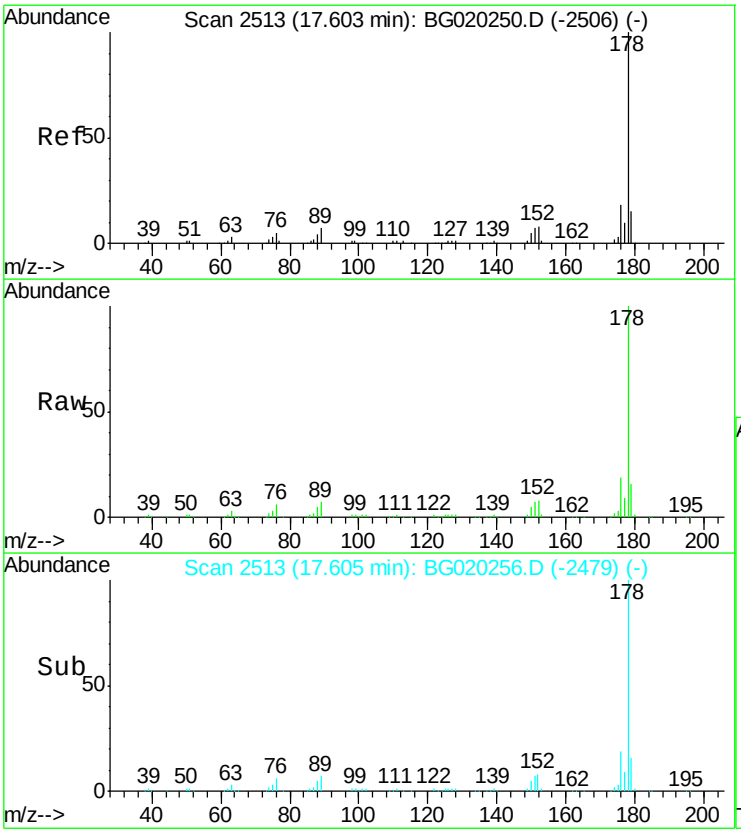
#70
Phenanthrene
Concen: 22.62 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.09 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:178 Resp: 166486

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.9	19.3
176	18.9	15.3	22.9

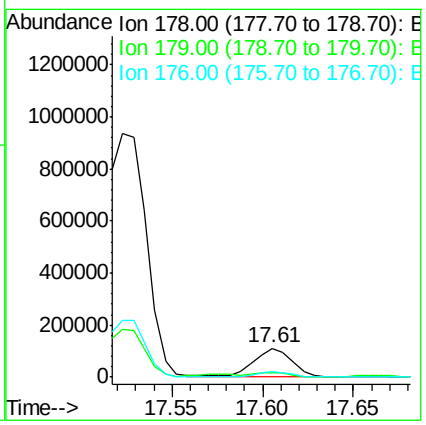


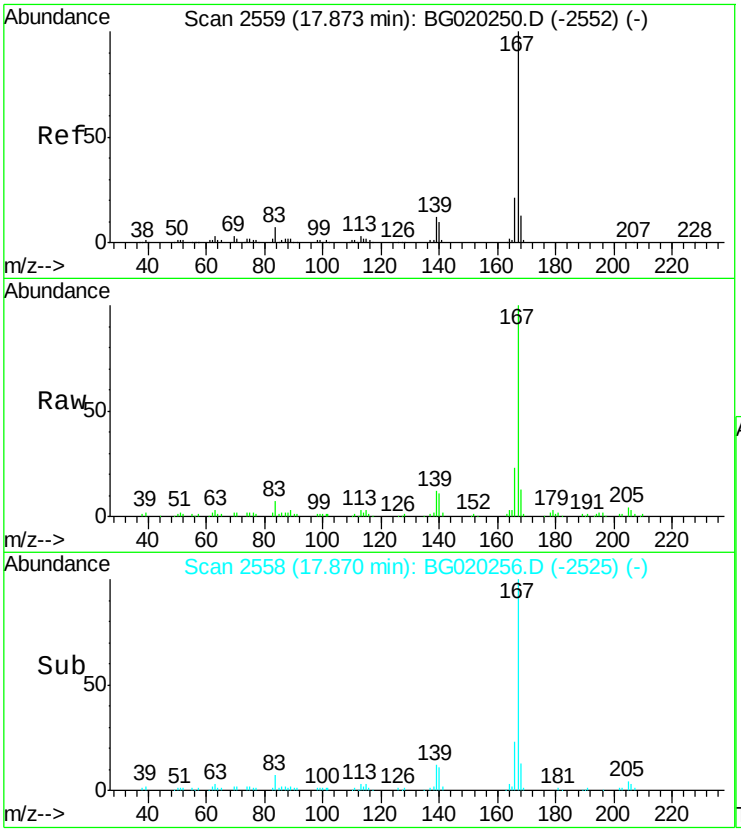


#72
Anthracene
Concen: 22.30 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:178 Resp: 166486

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.9	14.3	21.5



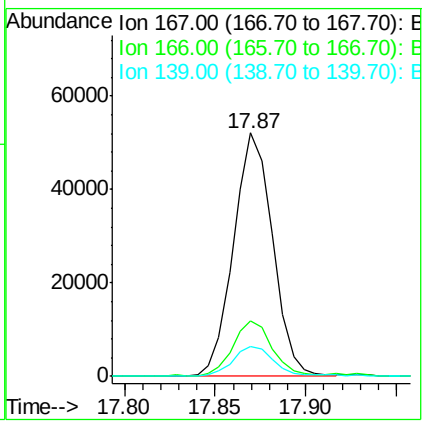


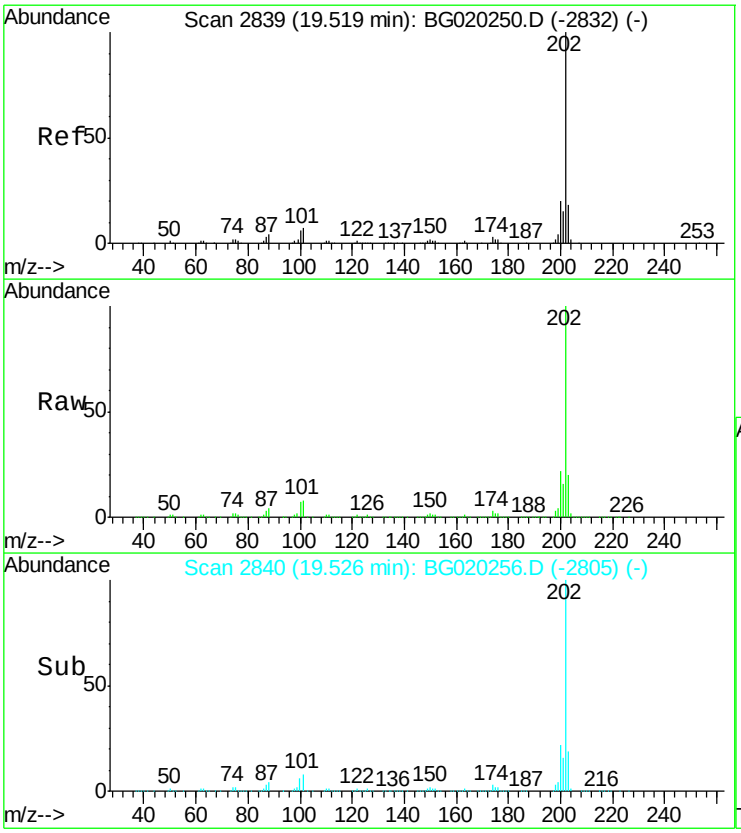
#75
Carbazole
Concen: 12.52 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:167 Resp: 78530

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	12.3	10.1	15.1

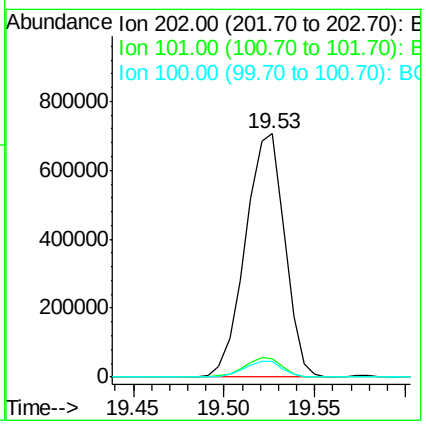


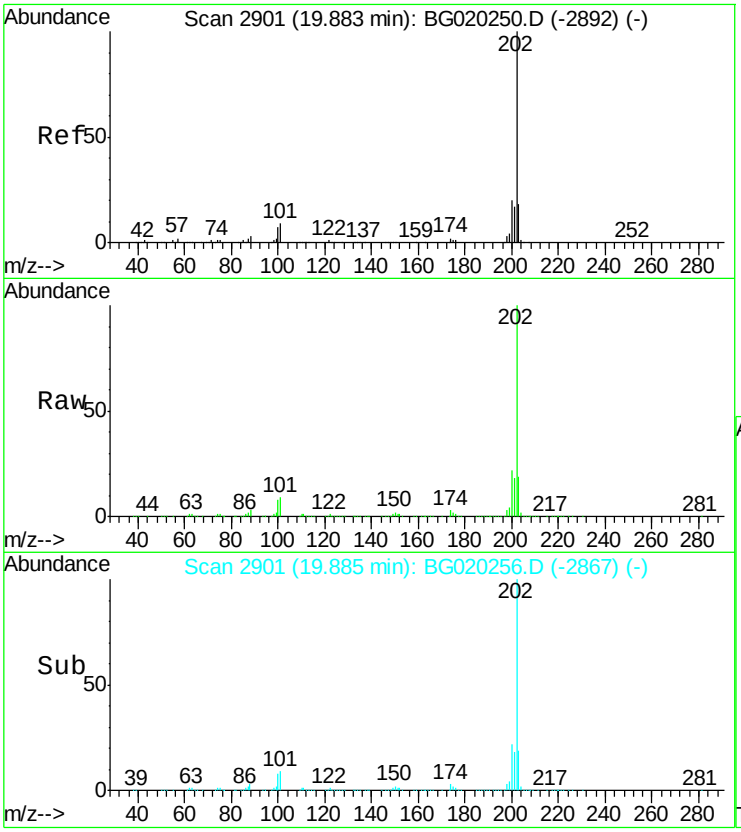


#77
Fluoranthene
Concen: 123.83 ng/ul
RT: 19.53 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:202 Resp: 1065096

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.4
100	6.5	5.1	7.7



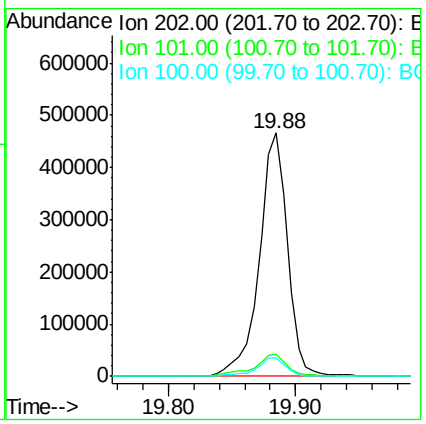


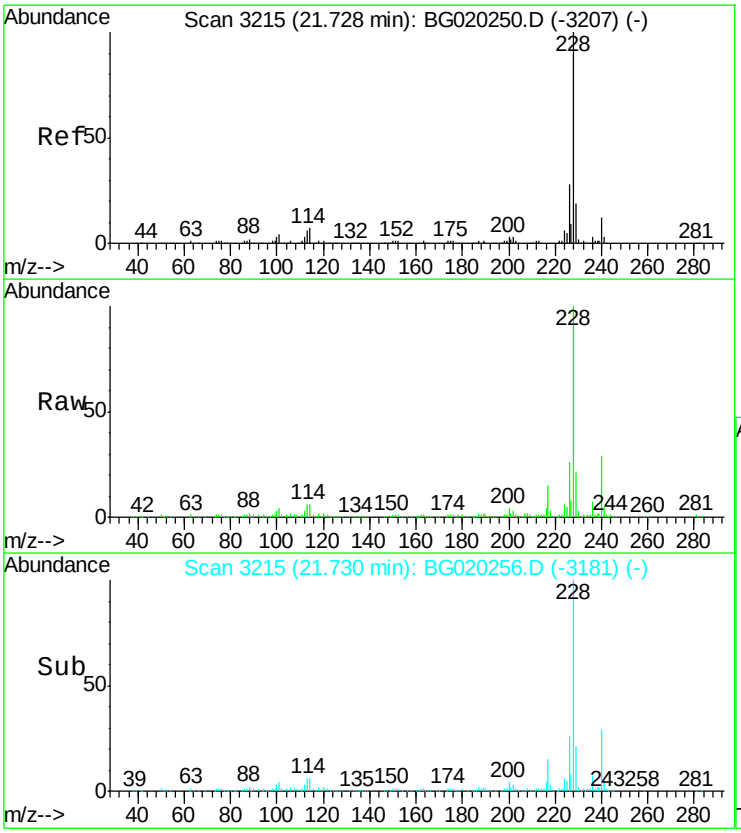
#80
Pyrene
Concen: 66.50 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:202 Resp: 717784

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.7	6.4	9.6

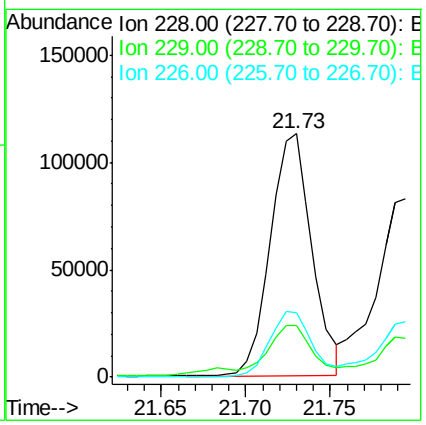


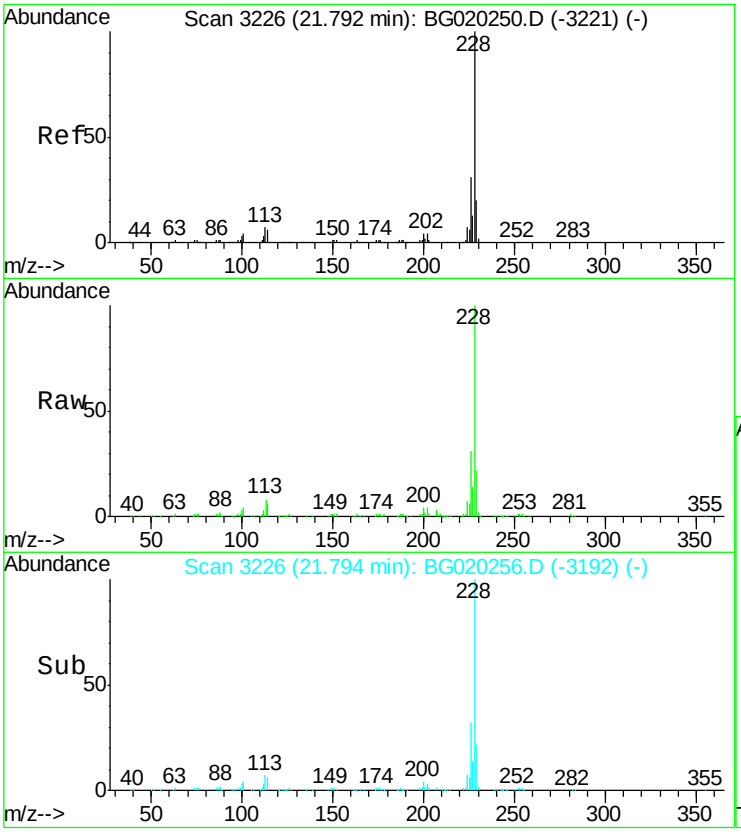


#83
Benzo(a)anthracene
Concen: 18.66 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:228 Resp: 194164

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.8
226	26.5	21.8	32.6



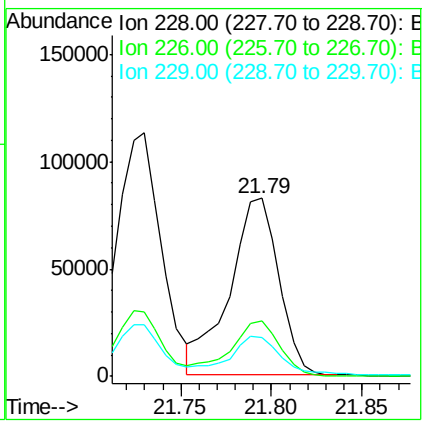


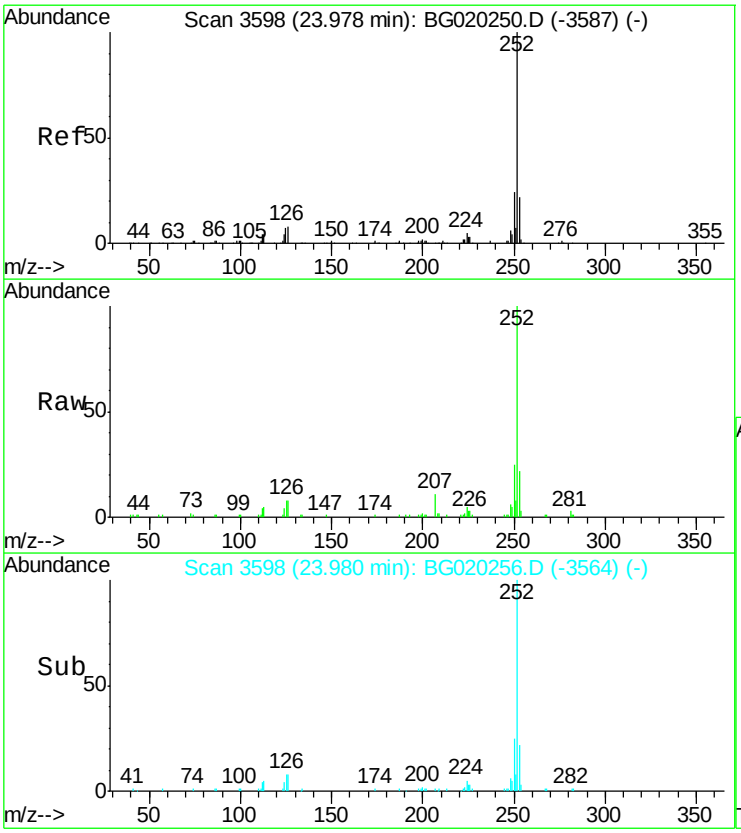
#85
Chrysene
Concen: 15.95 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:228 Resp: 156327

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	22.1	15.6	23.4

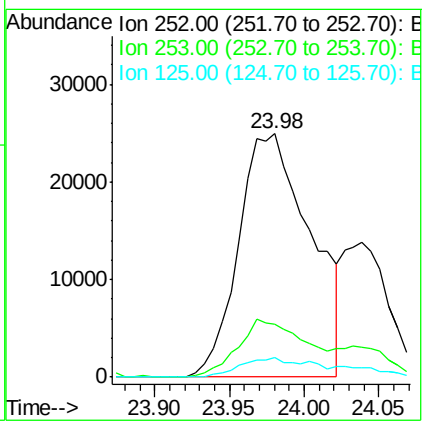


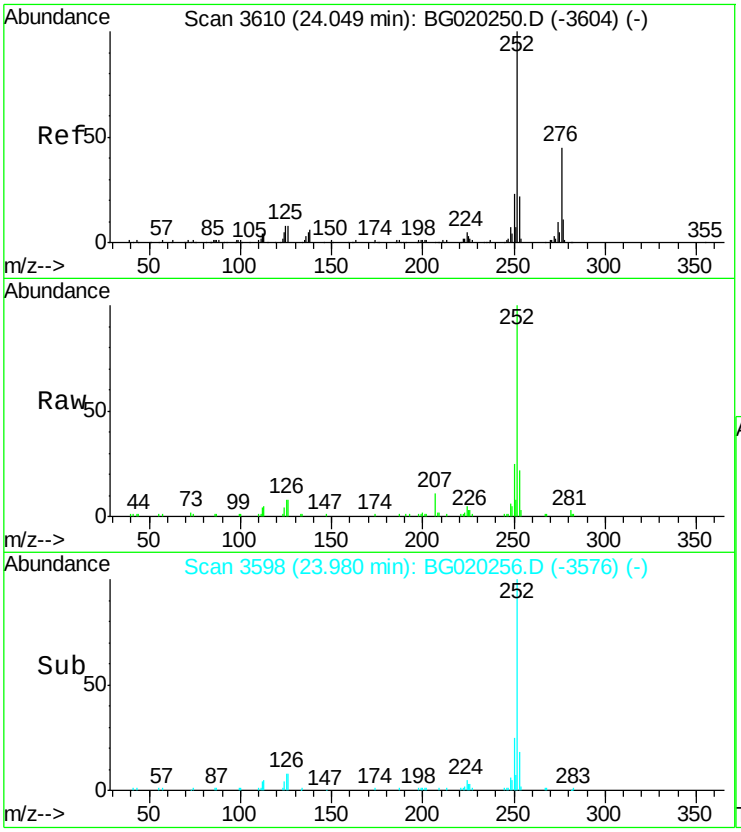


#88
Benzo(b)fluoranthene
Concen: 8.05 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:252 Resp: 83454

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.7	25.1
125	7.9	6.2	9.2



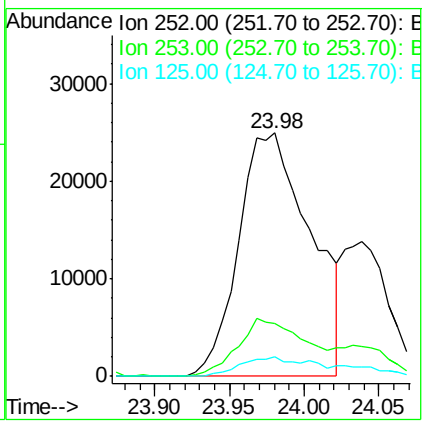


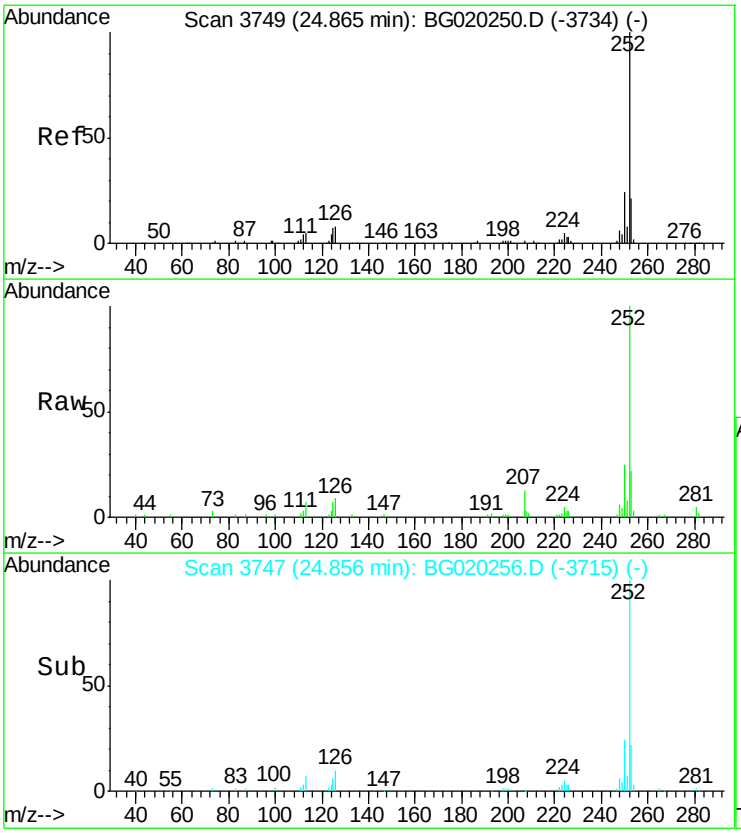
#89
Benzo(k)fluoranthene
Concen: 8.39 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. -0.07 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:252 Resp: 83454

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	7.9	5.8	8.6

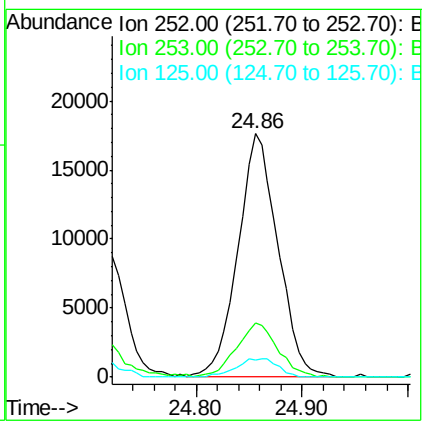


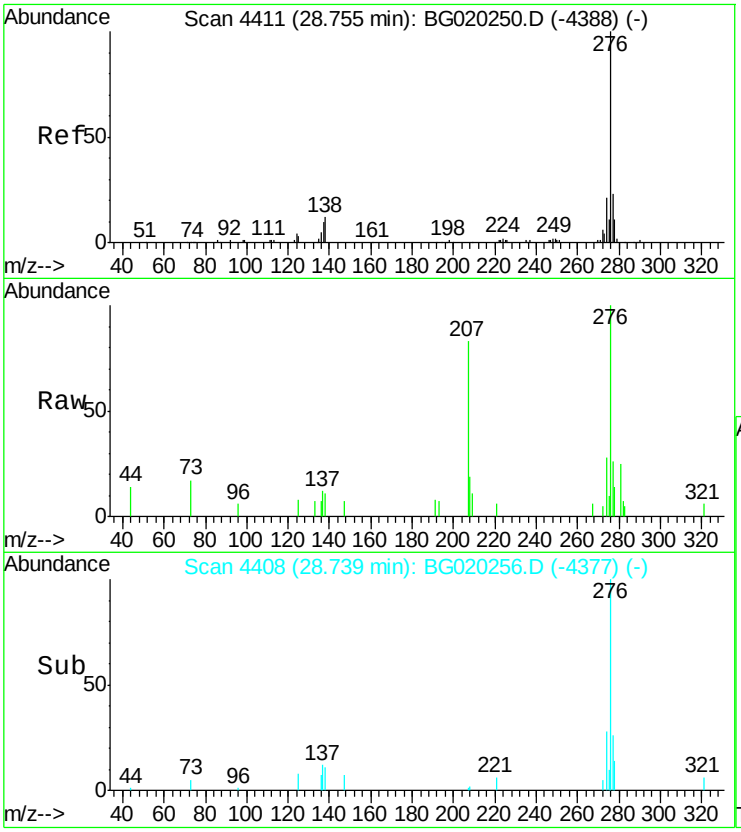


#91
Benzo(a)pyrene
Concen: 4.71 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. -0.01 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:252 Resp: 46240

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	7.1	6.2	9.4





#92
Indeno(1,2,3-cd)pyrene
Concen: 1.15 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. -0.02 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tgt Ion:276 Resp: 13398

Ion	Ratio	Lower	Upper
276	100		
138	11.0	11.4	17.0#
277	26.5	17.4	26.0#